EVO-10 Diesel Fuel Filter

Water Separator / Primary Filter

Max. Flow Rate: 158 GPH (600 LPH)

Benefits

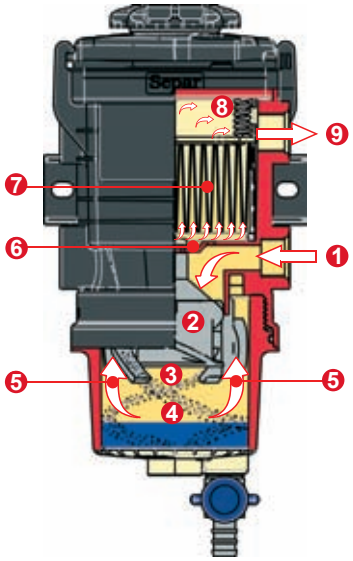
- High separation efficiency with minimal pressure drop
- Easy to install
- Service and environment friendly
- Compact design with minimal weight (3.5 lbs)

Ideal for

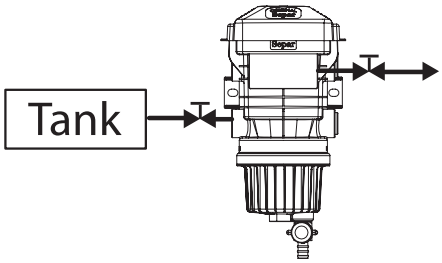
- Construction
- Transportation
- Off-Road Machinery
- Agricultural Applications
- Trucking

Options

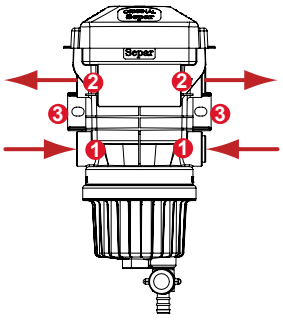
- Water Sensor
- Hand priming Kit



Installation



The filter has to be installed in the suction line (in between the tank and the fuel lift pump), however it does not matter whether the filter inlet is positioned above, level with, or below the maximum fuel level in the tank for the filter to function correctly. As a safety precaution we suggest installing a shut-off ball valve with full flow diameter between the fuel tank and the filter.



The filter should be attached to the mounting surface with suitable screws through the mounting brackets ❸ The inlets ❶ and outlets ❷ allow the fuel lines to be connected on the left and/or right side according to your requirements. The torque for the connection of fittings to the filter is 20 Nm or 175 in-lbs.

How It Works

❶ Fuel inlet
❷ Rotational motion is induced in the fuel, while passing through the internal vanes.
❸ The fuel exits the internal vane system and enters the filter bowl.
❹ Due to the rotational energy, water and particulates separate from the fuel and settle at the bottom of the bowl.
❺ The fuel is guided to the filter prechamber.
❻ The large cross section of the prechamber results in the fuel flow velocity being reduced, allowing more particulate separation.
❼ Suspended particulates and the finest water droplets are caught in the pleated media of the filter element.
❽ The cleaned fuel passes to the outlet chamber.
❾ Fuel outlet.

Inlet / Outlet Connections

Single Unit: 22 x 1.5 mm internal thread size

Separ of the Americas, LLC
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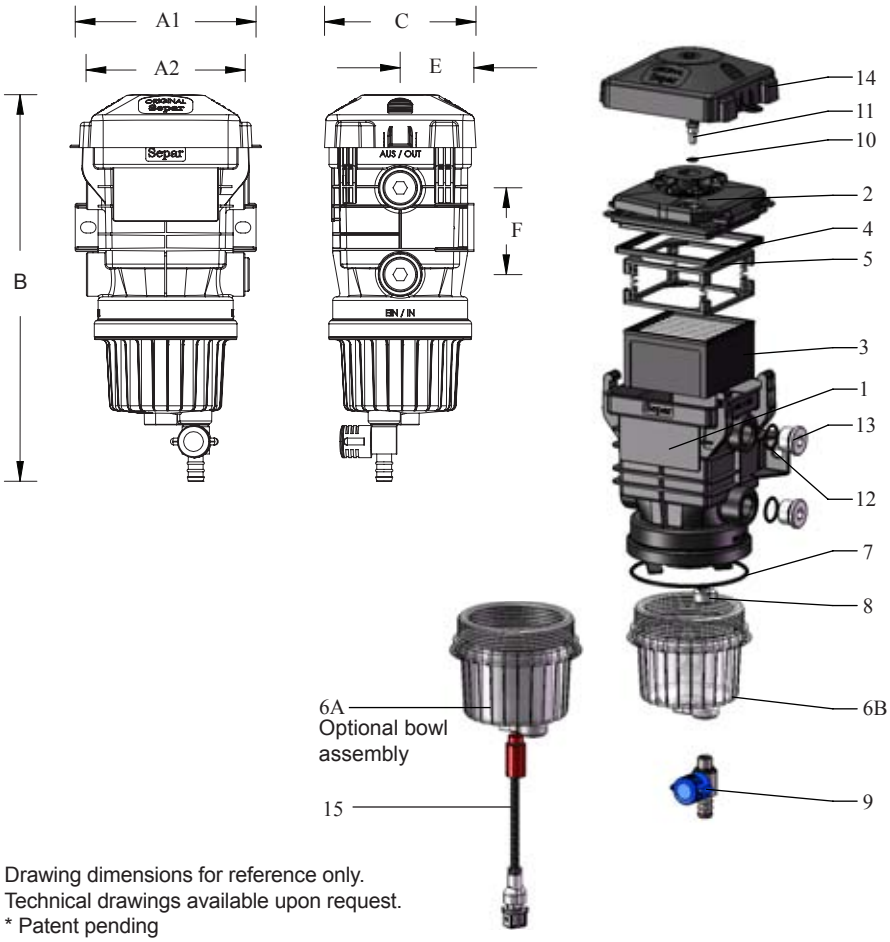
Specifications

Dimension	
A1	5.75” (144.8mm)
A2	5.06” (127mm)
B	12.29” (312.4mm)
C	4.82” (630mm)
D	9.45” (240mm)
E	2.34” (58.4mm)
F	2.76” (71mm)

Item	Part #	Description
1	10531	Filter Housing
2	10532	Filter Lid Sub Assembly
3	01030	Separ Filter Element
4	10559	Lid Gasket
5	10537	Spring Frame Sub-Assembly
6A	10541	Bowl with Water Sensor
6B	10542	Bowl
7	10543	Bowl Gasket, O-Ring
8	10398	Twin Hole Nut
9	10544	Drain Valve
10	30558	Seal Washer (USIT)
11	30408	Bleed Valve
12	6408-10	Plug O-Ring
13	9028-22	Blind Screw Plug
14	10609	Dust Cover
15	10507-A	Active Water Sensor



Drawing dimensions for reference only.
Technical drawings available upon request.
* Patent pending

Element Replacement Instructions

Step 1
Loosen the central tightening screw on the cover. Turn it until it reaches the stop position.

Step 2
Release the lid with a gentle pressure and rotate it left so that it is free of the bayonet.

Step 3
Remove the spring cassette. Pull the filter element out of the housing using the handle.

Step 4
Dispose of the used filter element responsibly (according to local regulations).

Step 5
Insert the new filter element.

Step 6
Replace the spring cassette.

Step 7
Reset the cover with a gentle downward pressure and a turn to the right. Check the correct location of the lid on the filter head.

Step 8
Tighten the screw to a torque of 10 Nm or 88 in-lbs. Prime the fuel system.

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